

~~ORIGINAL~~
TEMPORARY

Application No. **83786**

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**APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER
OF USE AND PLACE OF USE OF THE PUBLIC WATERS
OF THE STATE OF NEVADA HERETOFORE APPROPRIATED**

THIS SPACE FOR OFFICE USE ONLY

Date of filing in State Engineer's Office APR 24 2014

Returned to applicant for correction MAY 01 2014

Corrected application filed _____ Map filed _____

The applicant Lyon County c/o Lyon County Utilities

34 Lakes Blvd

Street Address or PO Box

of Dayton

City or Town

NV 89403

State and ZIP Code

hereby make(s) application for permission to change the

☒ Point of diversion

☐ Place of use

☐ Manner of use

☐ of a portion

of water heretofore appropriated under (Identify existing rights by Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and identify right in Decree.)

Permit 72775

1. The source of water is an underground source

Name of stream, lake, underground, spring or other sources.

2. The amount of water to be changed 0.01 cfs and 2.0 AFA

Second feet, acre-feet. One second foot equals 448.83 gallons per minute.

3. The water to be used for Quasi-Municipal purposes

Irrigation, power, mining, commercial, etc. If for stock, state number and kind of animals. Must limit to one major use

4. The water heretofore used for Quasi-Municipal purposes

If for stock, state number and kind of animals.

5. The water is to be diverted at the following point (Describe as being within a 40-acre subdivision of public survey and by course and distance to a found section corner. If on unsurveyed land, it should be stated.)

Within the NW1/4 NE1/4 Section 23, T.16N., R.21E., M.D.B.&M., or at a point from which the N1/4 corner of said Section 23 bears N.38° 17'56"W., a distance of 3582.11 feet. Refer to map filed in support of this application.

6. The existing point of diversion is located within (If point of diversion is not changed, do not answer.)

The SW1/4 NE1/4 Section 23, T.16N., R.21E., M.D.B.&M., or at a point from which the N1/4 corner of said Section 23 bears N.29° 17'W., a distance of 2466.0 feet. (Well D-1) Refer to map filed in support of permit no. 49483.

Dayton Valley
8-103
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7. Proposed place of use (Describe by legal subdivisions. If for irrigation, state number of acres to be irrigated.)

The place of use is unchanged. See attached Exhibit "A" and refer to map filed in support of Permit 72775.

map 49483

8. Existing place of use (Describe by legal subdivisions. If changing place of use and/or manner of use of irrigation permit, describe acreage to be removed from irrigation.)

See attached Exhibit "A" and refer to map filed in support of Permit 72775.

9. Proposed use will be from January 1st to December 31st of each year.
Month and Day Month and Day

10. Existing use permitted from January 1st to December 31st of each year.
Month and Day Month and Day

11. Description of proposed works. (Under the provision of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) (State manner in which water is to be diverted, i.e., diversion structure, ditches, pipes and flumes or drilled well, pump and motor, etc.)

Test boring to explore for quantity and quality of water. The test boring will be 6 inch diameter to 200 feet.

12. Estimated cost of works \$35,000.00

13. Estimated time required to construct works One year

If well completed, describe well.

14. Estimated time required to complete the application of water to beneficial use Temporary Application

15. Provide a detailed description of the proposed project and its water usage (use attachments if necessary): (Failure to provide a detailed description may cause a delay in processing.)

Lyon County Utilities will be drilling two temporary boreholes to determine water quality and quantity for the replacement of an existing well. The test borings will be drilled utilizing the Rotosonic drilling method to allow for continuous core lithologic samples along with the ability to sample water quality during the drilling process without the installation of well casing. The flow rate is not expected to exceed 50 gpm for short pumping cycles to collect clean water samples. The entire drilling project is anticipated to take 5 to 10 days and the borings will be abandoned before the drill rig moves off site. If sufficient water is found a permanent application will be filed prior to the production well drilling.

16. Miscellaneous remarks:

Refer to request for waiver to drill a well to determine the quality and quantity of water in a designated basin filed concurrently.

cfacque@farrwestengineering.com

E-mail Address

775-853-7268

Phone No.

Ext.

APPLICATION MUST BE SIGNED
BY THE APPLICANT OR AGENT

Chris N. Facque

Type or print name clearly

[Signature]

Signature, applicant or agent

Farr West Engineering

Company Name

5442 Longley Lane Suite A

Street Address or PO Box

Reno, NV 89511

City, State, ZIP Code

EXHIBIT "A"

Question #7 - Proposed Place of Use

T. 16 N., R. 21 E., M.D.B. & M.:

All of Section 1; SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 2; All of Section 11; SW $\frac{1}{4}$, W $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, portion of the SE $\frac{1}{4}$ NW $\frac{1}{4}$, portion of the W $\frac{1}{2}$ NE $\frac{1}{4}$, portion of the NE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, portion of the NW $\frac{1}{4}$ SE $\frac{1}{4}$, portion of the E $\frac{1}{2}$ SE $\frac{1}{4}$, Section 12; SW $\frac{1}{4}$ SW $\frac{1}{4}$, Portion of the W $\frac{1}{2}$ NW $\frac{1}{4}$, portion of the NE $\frac{1}{4}$ NW $\frac{1}{4}$, portion N $\frac{1}{2}$ NE $\frac{1}{4}$, Section 13; E $\frac{1}{2}$, Section 14; SE $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{2}$, Section 23; N $\frac{1}{2}$ Section 24; Portion of the N $\frac{1}{2}$ NW $\frac{1}{4}$, Portion of the SW $\frac{1}{4}$ NW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, Portion of the NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 26; S $\frac{1}{2}$, portion of the SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 27; E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$, Section 28; NE $\frac{1}{4}$ NW $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$, Section 33; N $\frac{1}{2}$ N $\frac{1}{2}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 34; NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 35.

T. 16 N., R. 22 E., M.D.B. & M.:

All of Section 3; N $\frac{1}{2}$, N $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, portion of the SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 4; N $\frac{1}{2}$, Section 5; NW $\frac{1}{4}$, N $\frac{1}{2}$ NE $\frac{1}{4}$, portion of the S $\frac{1}{2}$ NE $\frac{1}{4}$, portion of the NW $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, portion of the NE $\frac{1}{4}$ SW $\frac{1}{4}$, portion of the S $\frac{1}{2}$ SW $\frac{1}{4}$, Section 6; W $\frac{1}{2}$ W $\frac{1}{2}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, portion of the NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 9; NW $\frac{1}{4}$ Section 16; All of Section 17; S $\frac{1}{2}$ SW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$, Section 18; All of Section 19, All of Section 20.

T. 17 N., R. 21 E., M.D.B. & M.:

SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 36.

T. 17N., R. 22 E., M.D.B. & M.:

E $\frac{1}{2}$ SW $\frac{1}{4}$, Portion of the SE $\frac{1}{4}$ NW $\frac{1}{4}$ lying within Lyon County, S $\frac{1}{2}$ NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 22; Portions of the N $\frac{1}{2}$ NE $\frac{1}{4}$, Portion of the SW $\frac{1}{4}$ NE $\frac{1}{4}$, Portion of the SE $\frac{1}{4}$ NW $\frac{1}{4}$, Portion of the N $\frac{1}{2}$ SW $\frac{1}{4}$ Section 27; Portion of the NE $\frac{1}{4}$ SE $\frac{1}{4}$, Portion of the S $\frac{1}{2}$ SE $\frac{1}{4}$, Section 28; S $\frac{1}{2}$ Section 29 lying within Lyon County; SE $\frac{1}{4}$ SE $\frac{1}{4}$, Section 30; All of Section 31 lying within Lyon County; N $\frac{1}{2}$ N $\frac{1}{2}$, Portion of the SE $\frac{1}{4}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, Portion of the N $\frac{1}{2}$ SE $\frac{1}{4}$, Portion of the SE $\frac{1}{4}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 32; Portion of the NW $\frac{1}{4}$ NE $\frac{1}{4}$, Portion of the NE $\frac{1}{4}$ NW $\frac{1}{4}$, Portion of the S $\frac{1}{2}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ S $\frac{1}{2}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 33; SW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, Portion of the SW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$ Section 34.

In addition to the above described Place of Use, it is the intent of these applications to provide water service to the entire Lyon County/Dayton Utilities service area as determined by the Lyon County Public Works Director. If in the future, some other entity is determined to have that authority, the Place of Use of this permit shall be pursuant to that authority's determination of the service area.

PROCESSED
2014 APR 24 PM 2:14
STATE ENGINEERS OFFICE